

9-28-04

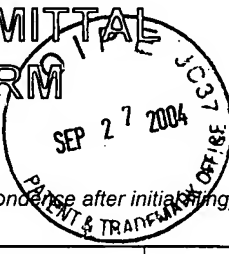
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PTO/SB/21 (08-00)

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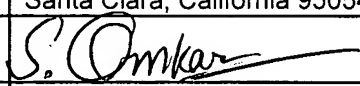
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TRANSMITTAL FORM  (to be used for all correspondence after initial filing)	Application Number	10/722,724
	Filing Date	November 25, 2003
	First Inventor	Peter G. Borden
	Confirmation No.	7346
	Group Art Unit	2877
	Examiner Name	Rosenberger
Total Number Of Pages In This Submission	5	Attorney Docket No. BOX004-1C US

ENCLOSURES (check all that apply)

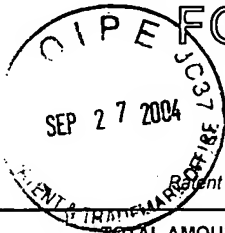
<input checked="" type="checkbox"/> Fee Transmittal Form (1 page in duplicate) <input checked="" type="checkbox"/> Fee Attached -- Check <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declarations <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (2 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> This is a Response to Missing Parts/ Incomplete Application under 37 CFR 1.52 or 1.53 <input type="checkbox"/> Copy of Notice To File Missing Parts (2 pages)	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation of Previous Powers; And Statement Under 37 CFR 3.73(b) <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): RETURN RECEIPT POSTCARD PTO 1449 (1 page) Copies of Fourteen cited references herewith		
<table border="1"> <tr> <td>Remarks</td> <td>Please charge Deposit Account 50-2263 for any underpaid fee.</td> </tr> </table>			Remarks	Please charge Deposit Account 50-2263 for any underpaid fee.
Remarks	Please charge Deposit Account 50-2263 for any underpaid fee.			

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm or Individual Name	Omkar K. Suryadevara (Reg. No. 36,320) Silicon Valley Patent Group LLP 2350 Mission College Boulevard, Suite 360 Santa Clara, California 95054
Signature	
Date	Sept 27, 2004

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FEE TRANSMITTAL
FOR FY 2004

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ 180.00)

Complete if Known

Application Number	10/722,724
Filing Date	November 25, 2003
First Named Inventor	Peter G. Borden
Group Art Unit	2877
Examiner Name	Rosenberger
Attorney Docket No	BOX004-1C US

METHOD OF PAYMENT

- 1.
- ☒
- The Commissioner is hereby authorized to charge any underpayment and credit any overpayments to:

Deposit Account Number 50-2263

Deposit Account Name Silicon Valley Patent Group LLP

☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$0.00)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
- **	X	18	= \$
Independent Claims	- **	X	86 = \$
Multiple Dependent	0	140	= \$0

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claims, if not paid	
1204	86	2204	43	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$0.00)

** or number previously paid, if greater; For reissues, see above.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee for provisional applications	
1806	180	1806	180	Submission of Information Disclosure Statement	180
8021	40	8021	40	Recording each patent assignment per properties (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180.00)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Omkar K. Suryadevara	Registration No. (Attorney/Agent)	36,320	Telephone	(408) 982-8200 ext. 3
Signature	S. Omkar			Date	September 27, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Peter G. Borden; Jiping Li;
Assignee: Applied Materials, Inc.
Title: Measuring A Property Of A Layer In A Multilayered Structure
Serial No.: 10/722,724 Filing Date: November 25, 2003
Examiner: Rosenberger Group Art Unit: 2877
Docket No.: BOX004-1C US Confirmation No: 7346

Santa Clara, California
September 27, 2004

MAIL STOP AMENDMENT
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97(c)**

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, §1.97 and §1.98, the Applicants submit for consideration in the above-identified patent application the document listed on the accompanying Form PTO-1449. Copies of the documents 121-134 are submitted herewith. The remaining documents are not attached hereto, because these documents are issued patents which are readily available in the U.S. Patent and Trademark Office. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted pursuant to 37 CFR §1.97(c) as it is after receipt of a first Office Action on the merits but before mailing of a final Action or Notice of Allowance. Accordingly, a fee is required pursuant to 37 CFR §1.17(p). A Fee Transmittal form (PTO/SB/17) is attached to this submission.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement is to the best of my knowledge and is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not

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Application No. 10/722,724

exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

Via Express Mail Label No.
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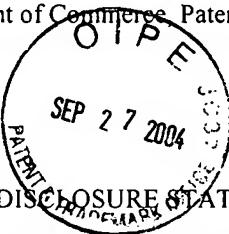
Respectfully submitted,



Omkar K. Suryadevara
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U.S. Department of Commerce Patent and Trademark Office  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Application No.:	10/722,724
	Filing Date:	November 25, 2003
	First Named Inventor:	Peter G. Borden
	Group Art Unit:	2877
	Examiner Name:	Rosenberger
	Confirmation No.:	7346
	Attorney Docket No.:	BOX004-IC US

U.S. Patent Documents							
*Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	118.	6,211,961	4/3/03	Maris	356	432	
	119.	6,268,916	7/31/01	Lee et al.	356	432	
	120.	4,571,685	2/18/86	Komoshida	364	468	
Foreign Patent Documents							
							Translation
		Document	Date	Country	Class	Subclass	Yes No
	121.	0 718 595	20.12.95	Europe	G01B	11/06	
	122.	99/64880	16.12.99	WO	G01R	31/26	
Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)							
	123.	Paquin, "Properties of Metals", Handbook of Optics, Vol. II, McGraw-Hill, Inc. (month unavailable), 1995, pp. 35.3-35.7					
	124.	Schroder, "Semiconductor Material and Device Characterization", John Wiley & Sons, Inc. (month unavailable), 1990, pp. 2-20, 84-85, 232-235, 304-306, 364, 367-374, 378-383.					
	126.	J. Opsal, "High Resolution Thermal Wave Measurements and Imaging of Defects and Damage in Electronic Materials" Photoacoustic and Photothermal Phenomena II, Springer Series in Optical Sciences, Vol. 62, Springer Verlag Berlin, Heidelberg, 1990.					
	126.	Rosencwaig, "Thermal Wave Characterization and Inspection of Semiconductor Materials and Devices", Chapter 5 (pp. 97-135) of Photoacoustic and Thermal Wave Phenomena in Semiconductors, North Holland (month unavailable) 1987					
	127.	Constantinos Christofides "Photomodulated Thermoreflectance Investigation of Semiconducting Implanted Wafers," Microelectronic Engineering, 40 (1998), 251-261.					
	128.	Bristow, Thomas C. and Dag Lindquist, "Surface Measurements With A Non-Contact Nomarski-Profilng Instrument", Interferometric Metrology, SPIE vol. 816, August 1987, pages 106-110					
	129.	"Process Monitoring System", Quantox Product Brochure, 3 pages, published prior to March 1, 2002					
	130.	International Search Report PCT/ US99/12999					
	131.	International Search Report PCT/US03/06239					
	132.	International Search Report PCT/US01/07475					
	133.	International Search Report PCT/US03/06379					
	134.	International Search Report PCT/US03/02650					

Examiner:	Date Considered:
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